

Missouri Department of Transportation

Code: R03543

Title: Intermediate Structural Technician

Exemption Status: Non-Exempt

Grade: 4

Job Description

Effective Date 07-01-2022

Replaces
(Effective Date) 08-01-2005

General Summary The intermediate structural technician performs skilled technical or paraprofessional duties in the preparation of detailed construction plans for highway bridges and related structures. Responsibilities are performed under moderate supervision.

Minimum/Required
Qualifications Associate Degree in Civil Engineering Technology, Drafting, or related field and two years of experience in technical positions.

Supervisory
Responsibilities None

Location Central Office - Bridge

Special Working
Conditions/Job
Characteristics

Examples of Work

- (1) Develops detailed construction plans for moderately difficult highway structures using computer aided drafting methods.
- (2) Computes elevations and exact structural dimensions from sketches and computations supplied by a designer.
- (3) Creates preliminary layout plans for various structures using computer software programs.
- (4) Makes necessary revisions after plans have been checked or reviewed; checks work of others as required.
- (5) Computes quantities of construction materials required for structures and computes reinforcing bar lists.
- (6) Researches existing conditions, past configurations, or examples of structures.
- (7) Performs other responsibilities as required or assigned.

The Missouri Department of Transportation promotes an equal opportunity workplace that includes reasonable accommodation of otherwise disabled applicants and employees. Please see your manager should you have any questions about this policy or these job duties.